

Application No.: 10/016599

Docket No.: SMQ-066/P5901

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) ~~In an electronic device, a~~ A method for converting objects between an object-oriented programming language and XML, said method comprising the steps of:

providing a base object class that includes at least one method for converting between Java-object-oriented programming language objects and XML data objects, wherein said at least one method determines the steps needed to perform the conversion and performs the conversion;

providing a selected object class that is a sub-class of the base object class; and

for a given instance of the selected object class, invoking the method to perform a conversion on the given instance.

2. (Currently Amended) The method of claim 1, wherein the selected object class is a Java object-orientated programming language object class.

3. (Original) The method of claim 1, wherein the selected object class is an XML data object class.

4. (Currently Amended) The method of claim 1, wherein the method for converting is invoked to convert a Java-object-oriented programming language object into at least one XML data object.

5. (Currently Amended) The method of claim 1, wherein the method for converting is invoked to convert an XML data object into Javaan object-oriented programming language object.

6. (Currently Amended) The method of claim 1, wherein the method for converting is invoked to convert an entire XML document into Java-the object-oriented programming language.

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7. (Canceled)

8. (Currently Amended) The method of claim 1, wherein the base object class includes both a method for converting from Java~~the object-oriented programming language~~ to XML and a method for converting from XML to Java~~the object-oriented programming language~~.

9. (Currently Amended) A medium for use in an electronic device, said medium holding computer executable instructions for performing a method, comprising the steps of:

providing a base object class that includes at least one method for converting between Javaobject-oriented programming language objects and XML data objects, wherein said at least one method determines the steps needed to perform the conversion and performing the conversion;

providing a selected object class that is a sub-class of the base object class; and

for a given instance of the selected object class, invoking the method to perform a conversion on the given instance.

10. (Currently Amended) The medium of claim 9, wherein the selected object class is an Javaobject-oriented programming language object class.

11. (Original) The medium of claim 9, wherein the selected object class is an XML data object class.

12. (Currently Amended) The medium of claim 9, wherein the method for converting is invoked to convert an Javaobject-oriented programming language object into at least one XML data object.

13. (Currently Amended) The medium of claim 9, wherein the method for converting is invoked to convert an XML data object into Javaan object-oriented programming language object.

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14. (Currently Amended) The medium of claim 9, wherein the method for converting is invoked to convert an entire XML document into Javathe object-oriented programming language.

15. (Currently Amended) The medium of claim 9, wherein the base object class includes both a method for converting from Javathe object-oriented programming language to XML and a method for converting from XML to Javathe object-oriented programming language.

16. (Currently Amended) ~~In an electronic device, a~~A method for converting objects between an object-oriented programming language and XML, said method comprising the steps of:

providing a base object class that includes at least one method for converting between Javaobject-oriented programming language objects and XML data objects, wherein said at least one method determines the steps needed to perform the conversion and performs the conversion;

defining a first object class as a sub-class of the base object class; and
defining a second object class as a sub-class of the base object class.

17. (Original) The method of claim 16, further comprising the step of, for an instance of the first object class, invoking the method for converting to perform conversion of the instance of the first object class.

18. (Original) The method of claim 17, further comprising the step of, for an instance of the second object class, invoking the method for converting to perform conversion of the instance of the second object class.

19. (Currently Amended) The method of claim 16, wherein the method for converting converts an Javaobject-oriented programming language object into XML.

20. (Currently Amended) The method of claim 16, wherein the method for converting converts an XML document into Javaobject-oriented programming language.